**Tools for the Task Activity**

**Name:\_\_\_\_\_\_\_\_\_\_\_**

Future Scientists, we have been discussing how organisms are adapted, or well suited, to their environments. Some animals eat a varied diet, while others eat very specific types of food. Would these animals be able to cope with change?

**Question**: Can animals switch to a different type of food if their usual food is in short supply?

**Hypothesis**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Materials:**

* Plate for putting “food” on
* Bag for “stomach”
* Small items to “act as food” (ie. Nails, rice, pieces of paper etc…)
* Tools to pick up foods (ie. Toothpick, clothespin, etc…)

**Procedure:**

1. With a partner place the “food” onto the plate provided
2. Using a tool you will have 20 seconds to try to gather the pile food
3. At the end of the round, record the type of food gathered and how many pieces of each one.
4. Repeat the procedure until all of the tools have been used.

**Data and Observations:**

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| --- | --- |
| TOOLS | TYPES OF FOOD GATHERED |
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**Analysis Questions:**

1. How do particular adaptations of animals affect what they eat?
2. Based on your observations, which type of “animal adaptation” was better able to cope with chances in food supply?
3. Give an example of how an animal’s adaptation allows it to eat certain foods.
4. Why do some animals die even when food seems to be abundant and varied?

**Conclusion:** (after completing this experiment, did you prove your hypothesis right or wrong? What did you learn from this experiment?)